

WHAT IS CLAIMED IS :

1. A method for preparing a coated abrasive disk which comprises preparing a disk form of a supporting substrate; preparing a disk form of a coated abrasive body comprised of a backsheet and a layer of an abrasive material thereon; and combining the supporting substrate and the coated abrasive body such that the backsheet of the coated abrasive body is bonded to the substrate by using an adhesive.
2. The method of claim 1, wherein the coated abrasive body is prepared by coating a first adhesive mixture on the backsheet, spreading an abrasive material thereon, drying the first adhesive layer having the abrasive material dispersed therein, coating a second adhesive mixture thereon and drying the second adhesive layer.
3. The method of claim 1, wherein the backsheet is a processed material selected from the group consisting of polyester textile, cotton textile, polyester/cotton mixed textile, polyester/nylon mixed textile, polyester film (PET film) and cylinder paper.
4. The method of claim 1, wherein the abrasive material is selected from the group consisting of alumina (Al_2O_3), silicon carbide (SiC), alumina zirconia (AZ), ceramics, diamond, CBN (cubic boron nitrile) and a mixture thereof.
5. The method of claim 1, wherein the adhesive is selected from the group consisting of epoxy resin, polyurethane resin, synthetic rubber, degenerated

heat-curable resin and a mixture thereof.

6. The method of claim 1, wherein the supporting substrate is selected from the group consisting of an engineering plastic, bakelite plate, and a laminate of a nonwoven fabric and at least one textile selected from the group consisting of glass fiber, carbon fiber, polyester and nylon textile.
7. The method of claim 6, wherein the laminate of a nonwoven fabric and at least one textile is prepared by placing a disk form of said at least one textile on a disk form of the nonwoven fabric and applying a pressure of 5 to 7 kgf/cm² thereto at a temperature ranging from 120 to 170 °C.
8. The method of claim 6, wherein the textile is made of fibers impregnation-treated with a phenol resin, an acrylonitrile-butadiene-rubber latex or a mixture thereof.
9. The method of claim 6, wherein the textile is a laminate of carbon and glass fiber textiles prepared by stacking at least one carbon fiber textile and at least one glass fiber textile in order.
10. A coated abrasive disk which is prepared by the method of claim 1.